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ABSTRACT

To assist the more than 9,000 engineering students at Texas A&M University, the staff of the Microtext Department, Sterling C. Evans Library, prepared these handouts listing the library's holdings of industry standards and their locations. Current industry standards are offered on 16mm film on cartridge through the VSMF (Visual Search Materials File) system, and are housed in the Microtext Department. As not all industrial society standards are part of the Texas A&M/VSMF subscription, and older standards may be required by the students, the handouts also provide information as to which format is available within the library. General directions for assessing further society and standard information are included. (Author/EW)

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Industry Standards
In the Sterling C. Evans Library, Texas A&M University
And in VSMF, Microtext Department

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INDUSTRY STANDARDS
In the Sterling C. Evans Library, Texas A&M University
And in VSMF, Microtext Department

ABSTRACT

To assist the more than 9,000 engineering students at Texas A&M University, the staff of the Microtext Department, Sterling C. Evans Library, prepared handouts listing industry standards holdings and locations. Current industry standards are offered on 16 millimeter film on cartridge through the VSMF (Visual Search Materials File) system, and are housed in the Microtext Department. As not all industrial society standards are part of the Texas A&M/VSMF subscription, and older standards may be required by the students, the handouts carry information as to which format is available within the Library. General directions for accessing further society and standard information is included.

INDUSTRY STANDARDS
In The Sterling C. Evans Library, Texas A&M University And in VSMF, Microtext Department

Texas A&M University is a research institution with an enrollment in the fall of 1987 of 39,000 students, and a central library, Sterling C. Evans, with holdings of over one and a half million books and three million microforms. The University boasts the largest undergraduate College of Engineering in the nation, with an enrollment in the fall of 1987 numbering 8,023 undergraduate and 1,313 graduate students. The College offers curriculums in the areas of bioengineering, computer science, engineering technology, and aerospace, agricultural, chemical, civil, electrical, industrial, mechanical, nuclear, ocean, petroleum, radiological, and health engineering.

Engineering students study the current and, in some cases, older standards of the various industrial societies in the United States and other countries. In the Texas A&M Library, the microfilm industry standards system, VSMF (Visual Search Materials File), is housed in the Microtext Department. To facilitate student research, the Microtext staff has prepared handouts listing the VSMF standards as well as the paper standards held. In some cases the paper copy titles reflect the difficulty of finding standards, as they may appear in bulletins, handbooks, manuals, and special or technical publications. Additionally, the handouts offer general suggestions for accessing society and standard information. Specific call numbers and Library locations complete many of the listings.

Although VSMF may appear intimidating to first time users because of the various steps involved in using the appropriate indexes, the engineering students soon master the system. After they have used VSMF once or twice successfully, they no longer have any hesitation in approaching the system to find the needed standards. If a stubborn question arises which defies the usual solution, the engineering students are confident enough to request staff assistance, and with staff and students working as a team, almost every search is resolved.

While engineering students remain the primary users of industry standards in the Texas A&M Library, students in other disciplines are finding the standards to be required, both by faculty and by the nature of their studies. Architecture and building construction majors use the VSMF system, as do some business students and various individuals seeking information on a personal, business, or course-of-study related issue.

VSMF, which features current industry standards, comes on 16 millimeter film on cartridge, available through Information Handling Services. In the fall of 1987, 8,685 paper copies were made from cartridges (at $.15 each) in the Microtext Department. However, this certainly does not accurately reflect total usage of VSMF in the Texas A&M Library.

In addition to the Industry Standards Services, Information Handling Services offers the following databases, Military/Federal Standardization Services, Vendor Catalog Services, Integrated Circuit Parameter Retrieval Service, Semiconductor Parameter Retrieval Service, and Material Safety Data Sheets Service. The indexes offer various approaches, including product, society, standard, vendor. Libraries can contact IHS at 15 Inverness Way East, P.O. Box 1154, Englewood, Colorado 80150.

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VSMF Subscription List

The Industry Codes and Standards Service provides the standards determined by professional societies and trade associations to measure quantity, weight, extent, value, or quality. Almost every product manufactured today must conform to certain standards, many of which are contained in this system.

Not all of the standards available from Information Handling Services are purchased by the Texas A&M Library. Current subscriptions (in film format) are presently held for the following societies:

AATCC	American Association of Textile Chemists and Colorists
ACI	American Concrete Institute
AIA/NAS	Aerospace Industries Association of America, Inc./ National Aerospace Standards
AISC	American Institute of Steel Construction
ANSI	American National Standards Institute
API	American Petroleum Institute
AREA	American Railway Engineering Association
ARI	Air Conditioning and Refrigeration Institute
ASAE	American Society of Agricultural Engineers
ASCE	American Society of Civil Engineers
ASCQ	American Society for Quality Control
ASHRAE	American Society of Heating, Refrigerating and Air-Conditioning Engineers
ASME	American Society of Mechanical Engineers
ASTM	American Society for Testing Materials
AWS	American Welding Society
AWWA	American Water Works Association
CGI	Compressed Gas Institute
EIA	Electronics Industries Association
IEEE	Institute of Electrical and Electronics Engineers
IES	Illuminating Engineering Society
ISA	Instrument Society of America
NEMA	National Electrical Manufacturers Association
NFPA	National Fire Protection Association
SAE	Society of Automotive Engineers
UL	Underwriters Laboratories

International

BSI	British Standards Institute

Note: A number of standards issued by smaller societies are available as part of the Master Catalog Service (e.g., standards of the National Swimming Pool Institute.) These standards are listed at the beginning of the green index volume marked Facilities Engineering Service.

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Special Situations

INCLUDED IN THIS LIST

The first section lists industry standards available in both VSMF microfilm and in paper copy in the Texas A&M Library.

The second section lists industry standards which are available from Visual Search Microfilm File (VSMF), although the Texas A&M Library does not subscribe to the microfilm. However, some paper copies of various standards are held in the Library, and those are listed, with cali numbers, by the name of the society.

A BRIEF EXPLANATION OF HOW TO FIND INDUSTRY STANDARDS

When looking for industry standards in the Texas A&M Library, check "The Industry Standards Service" handout located at the VSMF table in the Microtext Department in order to determine the Texas A&M/VSMF subscriptions. The Library also has copies of selected standards and specifications in paper copy. Some of these are new editions while others are older versions. They may be found by looking in the Serials Holding List, the Author/Title card catalog, or on ALIS. When looking for them, use both the full name of the society as well as the acronym (abbreviation of the society name).

Industry standards not available through the Texas A&M/VSMF subscription may be found by following the same procedures. Check the Serials Holding List, the Author/Title card catalog, and ALIS. Again, use both the full name and the acronym.

If "CAT SEP" appears in the place of a call number on the Serials Holding List, proceed to the Author/Title card catalog, as the individual items will have varied call numbers. As usual, look up the information under the name of the society or its acronym in the Author/Title card catalog, not the Subject card catalog.

Please ask at the Reference Desk, first floor, or the Microtext Service Desk, second floor, for further assistance or explanations.

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SECTION I

STANDARDS IN VSMF MICROFILM AND IN PAPER COPY

Available in both VSMF and in paper copy in the Texas A&M Library.

AATCC — American Association of Textile Chemists and Colorists.
Technical Manual. TP/890/A5. Latest edition, Reference stacks and older editions, third floor stacks.

ACI — American Concrete Institute.
Current standards included in VSMF. Older standards in paper copy. ACI Standards. TA/439/A5.4. Third floor stacks.

AIA/NAS — Aerospace Industries Association of America, Inc./ National Aerospace Standards.
Some standards in paper copy. Standards and Specifications Information Bulletin. T1/671.1/A3. Third floor stacks.

AISC — American Institute of Steel Construction.
Codebooks and manuals of standard practice can be found in the Author/Title card catalog under the name of the society.

ANSI — American National Standards Institute.
Current standards included in VSMF. Paper copy prior to 1976 only. TA/404.5/A43.
Catalog of ANSI Standards. Z/7914/A22/C3. Reference stacks.

NOTE: Although ANSI has adopted some standards originally issued by other societies, they may not appear in the VSMF/ANSI microfilm due to copyright restrictions. Those standards may be listed under the ANSI name, yet may not be part of the filmed set.

API — American Petroleum Institute.
Some standards also in paper copy.
API Bulletin. TN/864/A63 (scattered issues 1981--).
API Publication. TN/864/A6 (scattered issues 1981--).
API Recommended Practices. TN/864/A62 (1980--).
API Specification. TN/871/A6 (1981--).
API Standards. TN/864/A61 (1981--).
(All located in third floor stacks.)

ASAE — American Society of Agricultural Engineers.
Some standards in ASAE Standards. S/671/A32.
Latest edition, Reference stacks and older editions, third floor stacks.

ASME — American Society of Mechanical Engineers.
ASME Boiler and Pressure Vessel Code. TJ/291/A582. Third floor stacks.
ASME Boiler and Pressure Vessel Code. Case Intepretations. TJ/291/A583. Third floor stacks.
Various publications can be found in the Author/Title card catalog or the Serials Holding List under the name of the society.

ASQC — American Society for Quality Control.
Glossary and Tables for Statistical Quality Control. TX/156/A53/1983. Latest edition, Reference Stacks and older editions, third floor stacks.
Other society publications can be found in the Author/Title card catalog under the name of the society.

ASTM — American Society for Testing and Materials.
Standards published prior to 1976 are available in paper copy.
Compilation of ASTM Standard Definitions. TA/402/C65/1982. Latest edition, Reference stacks and older editions, third floor stacks.
ASTM Special Technical Publications. "CAT SEP"
ASTM Standardization News. TA/368/A517.
Annual Book of ASTM Standards. TA/401/A64.
ASTM Standards for Mechanical Engineering Students. TJ/153/A5.5.
Selected ASTM Standards for Textile Students TS/1541/A4.5.
(Last four all located in third floor stacks.)

AWS — American Welding Society.
Older Welding Handbooks and various specifications can be found in the Author/Title card catalog under the name of the society.

AWWA — American Water Works Association.
Standard Methods for the Examination of Water and Wastewater. QD/142/A5. Latest edition, Reference stacks and older editions, third floor stacks.
Additional materials can be found in the Author/Title card catalog under the name of the society.

NFPA — National Fire Protection Association.
Various codes and guides can be found in the Author/Title card catalog under the name of the society.

SAE — Society of Automotive Engineers.
Some standards in paper copy.
SAE Handbook. TL/151/S62. Latest edition, Reference stacks and older editions, third floor stacks.
SAE Handbook Supplement. TL/151/S6.22. Reference stacks.

UL — Underwriters Laboratories, Inc.
Directories and equipment lists can be found in the Author/Title card catalog under the name of the society.

SECTION II

STANDARDS NOT FOUND IN TEXAS A&M/VSMF MICROFILM

Included in VSMF, but not part of the Texas A&M VSMF subscription. Call numbers are given for related information for each industry (for example, specifications, handbooks, tables, other publications).

AASHTO — American Association of State Highway and Transportation Officials.
Some paper copy standards are available at Texas A&M: Standard Specifications for Transportation Materials and Methods of Sampling and Testing. Spine reads "AASHTO Materials Part I Specifications, Part II Tests." TE/200/A615. Reference stacks.

AGMA — American Gear Manufacturers Association.
Some paper copy standards are available at Texas A&M. Standards and Technical Publications. TJ/184/A5.3. Third floor stacks.

A.I.A. — American Institute of Architects.
Architects Handbook of Professional Practice. NA/2570/A6.2. Latest edition, Reference stacks and older editions, third floor stacks.

AIChE — American Institute of Chemical Engineers.
Various technical manuals can be found in the Author/Title card catalog under the name of the society.

ANS — American Nuclear Society.
Draft Standard (Proposed). TK/9161.4/A44/1971-- . Third floor stacks.

ASA — Acoustical Society of America.
American National Standard Specifications for Personal Noise Dosimeters. TD/894/A437/1979. Third floor stacks.

ASM — American Society for Metals.
Metals Handbook. TA/459/A5. Latest edition, Reference stacks and older editions, third floor stacks. Provides materials for SAE as well.

ASNT — American Society for Nondestructive Testing.
Recommended Practice No. SNT-TC-1A. TA/417.2/A6. Third floor stacks.
Nondestructive Testing Handbooks. Various editions can be found in the Author/Title card catalog under the name of the society.

ASSE — American Society of Sanitary Engineering.
Year Book. TH/6101/A6. Third floor stacks.

NSF — National Sanitation Foundation.
A limited number of publications can be found in the Author/Title card catalog under the name of the society.

RWMA — Resistance Welder Manufacturers Association.
Older information (1946, 1956) can be located in the Author/Title card catalog under the name of the society.

SMACNA — Sheet Metal and Air Conditioning Contractors' National Association Inc.
Guides, practices, and standards can be found in the Author/Title card catalog under the name of the society.

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International Standards

The only international standard which is part of the Texas A&M/VSMF subscription is the British Standards Institute. Other international standards are available in the Texas A&M Library, however, and they are listed below with the appropriate call numbers. The greatest number of paper standards will be found in the ISO Catalogue, with concentrations in the areas of engineering and agriculture.

BSI — British Standards Institute.
In Texas A&M/VSMF.
Paper copies prior to 1976: British Standards.
TA/368/B7. Third floor stacks.
British Standards Yearbook. Index to paper standards.
QC/100/B7. Latest edition, Microtext VSMF table.

CSA — Canadian Standards Association.
Not in Texas A&M/VSMF. Not in paper copy in the Texas A&M Library.

DIN — Deutsches Institut fur Normung (German standards).
Not in Texas A&M/VSMF.
Catalogue of English Translations of German Standards.
Index to German standards. Several editions, the most recent is 1985. TA/368/C37. Third floor stacks.

IEC — International Electrochemical Commission.
Not in Texas A&M/VSMF. Not in paper copy in the Texas A&M Library.

ISO — International Organization for Standardization.
Not in Texas A&M/VSMF.
Paper copies are listed on the Serials Holding List under the full title, International Organization for Standardization, not the acronym (ISO).
ISO Catalogue. Index to standards; all standards ordered by the Texas A&M Library are indicated by a check in the catalogue. Includes a subject index.
Z/7914/A22/I61. Reference stacks.
International Standards. TA/404.5/I5. Third floor stacks.

JIS — Japanese Industrial Standards.
Not in Texas A&M/VSMF. Not in paper copy in the Texas A&M Library.

SAA — Standards Association of Australia.
Not in Texas A&M/VSMF. Not in paper copy in the Texas A&M Library.

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Standards for Smaller Societies
Listed in Facilities Engineering Service

The Facilities Engineering Service is part of the Vendor Catalog Service, which is available through Information Handling Services, 15 Inverness Way East, P.O. Box 1154, Englewood, Colorado 80150.

Air Conditioning Contractors of America
Air Diffusion Council
Air Movement & Control Association, Inc.
Aluminum Association, Inc.
American Architectural Manufacturers Association
American Association of Nurserymen, Inc.
American Boiler Manufacturers Association
American Coal Ash Association, Inc.
American Concrete Pavement Association
American Council of Independent Laboratories, Inc.
American Gas Association
American Hardboard Association
American Home Lighting Institute
American Hot Dip Galvanizers Association, Inc.
American Industrial Hygiene Association
American Institute of Timber Construction
American Insurance Association
American Iron & Steel Institute
American Ladder Institute
American Lumber Standards Committee
American Plywood Association
American Public Works Association
American Road & Transportation Builders Association
American Society of Agricultural Engineers
American Society of Landscape Architects
American Society of Safety Engineers
American Sod Producers Association
American Subcontractors Association
American Wood-Preservers' Association
American Wood Preservers Bureau
American Wood Preservers Institute
Architectural Aluminum Manufacturers' Association
Architectural Woodwork Institue
Asphalt Emulsion Manufacturers Association
Asphalt Institute
Asphalt Roofing Manufacturers Association
Associated Air Balance Council
Associated General Contractors of America

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Association of Home Appliance Manufacturers
Brick Institute of America
Building Officials & Code Administrators International
California Redwood Association
Canadian Wood Council
Carpet and Rug Institute, Inc.
Cast Iron Soil Pipe Institute
Ceilings & Interior Systems Contractors Association
Chain Link Fence Manufacturers Institute
Chlorine Institute, Inc.
Commercial Refrigerator Manufacturers Association
Compressed Air & Gas Institute
Construction Specifications Institute, Inc.
Contractors Pump Bureau
Conveyor Equipment Manufacturers Association
Coordinating Research Council, Inc.
Copper Development Association, Inc.
Cordage Institute
Door & Hardware Institute
Door Operator & Remote Controls Manufacturers Association
Ductile Iron Pipe Research Association
Edison Electric Institute
Expanded Shale, Clay & Slate Institute
Facing Tile Institute
Factory Mutual Engineering & Research Corporation
Fine Hardwoods/ American Walnut Association
Fir & Hemlock Door Association
Flat Glass Marketing Association
Fluid Controls Institute, Inc.
Gypsum Association
Hardwood Manufacturers Association
Hardwood Plywood Manufacturers Association
Home Ventilating Institute
Hydraulic Institute
Hydronics Institute
Indiana Limestone Institute of America, Inc.
Industrial Perforators Association
Industrial Risk Insurers
Insulated Cable Engineers Association, Inc.
Insulated Steel Door Systems Institute
International Association of Plumbing & Mechanical Officials
International Conference of Building Officials
Irrigation Association
Jute Carpet Backing Council
Lead Industries Association, Inc.
Lightning Protection Institute
Maple Flooring Manufacturers Association, Inc.
Marble Institute of America, Inc.
Mechanical Contractors Association of America
Metal Building Manufacturers Association, Inc.
Metal Lath/Steel Framing Association
Midwest Research Institute, Solar Energy Research Institute Division
Mineral Insulation Manufacturers Association, Inc.

Mo-Sai Institute, Inc.
National Association of Architectural Metal Manufacturers
National Association of Home Builders/N A H B Research Foundation, Inc.
National Association of Name Plate Manufacturers, Inc.
National Association of Pipe Coating Applicators
National Association of Plumbing-Heating-Cooling Contractors
National Association of Store Fixture Manufacturers
National Clay Pipe Institute
National Concrete Masonry Association
National Corrugated Steel Pipe Association
National Elevator Industry, Inc.
National Fire Sprinkler Association
National Forest Products Association
National Hardwood Lumber Association
National Institute of Building Sciences
National Kitchen Cabinet Association
National L P-Gas Association
National Lime Association
National Oak Flooring Manufacturers Association
National Paint & Coatings Association
National Particleboard Association
National Ready Mixed Concrete Association
National Slag Association
National Spa & Pool Institute
National Stone Association
National Terrazzo & Mosaic Association, Inc.
National Wood Window & Door Association
Northeastern Lumber Manufacturers Association, Inc.
Painting & Decorating Contractors of America
Perlite Institute, Inc.
Plumbing & Drainage Institute
Porcelain Enamel Institute, Inc.
Portland Cement Association
Post Tensioning Institute
Prestressed Concrete Institute
Red Cedar Shingle & Handsplit Shake Bureau
Resilient Floor Covering Institute
Scaffolding & Shoring & Forming Institute, Inc.
Sealant & Waterproofers Institute
Sealed Insulating Glass Manufacturers Association
Society of the Plastics Industry, Inc.
Solar Thermal Energy Association
Southern Cypress Manufacturers Association
Southern Forest Products Association
Southern Pine Inspection Bureau
Steel Deck Institute
Steel Door Institute
Steel Founders' Society of America
Steel Joist Institute
Steel Tank Institute
Steel Window Institute
Structural Engineers Association of California
Stucco Manufacturers Association, Inc.
Sump & Sewage Pump Manufacturers Association

Textile Rental Services Association of America
Thermal Insulation Manufacturers Association
Tile Council of America, Inc.
Truss Plate Institute, Inc.
Urethane Foam Contractors Association
Water Systems Council
Welded Steel Tube Institute
Welding Research Council
West Coast Lumber Inspection Bureau
Western Red Cedar Lumber Association
Western Wood Products Association
Wire Reinforcement Institute, Inc.
Wood Moulding & Millwork Producers
Zinc Institute, Inc.

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